

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of compensating for crosstalk associated with a connector comprising:

generating a first signal compensator configured to compensate for intraconnector crosstalk; and

generating a second signal compensator configured to compensate for alien crosstalk from a number of adjacent connectors, wherein said number of adjacent connectors includes any connector within approximately two inches of said connector.

2. (Original) The method of claim 1, further comprising determining said second signal compensator, said determining comprising:

transmitting a test signal through at least one disturber pair of at least one of said number of adjacent connectors;

obtaining at least one measurement of alien crosstalk induced by said test signal on a victim pair of said connector; and

determining said second signal compensator based on said at least one measurement.

3. (Original) The method of claim 2, further comprising:

repeating said transmitting, said obtaining, and said determining for each of said number of adjacent connectors.

4. (Original) The method of claim 2, further comprising:

repeating said transmitting, said obtaining, and said determining for each said disturber pair of said at least one of said number of adjacent connectors.

5. (Original) The method of claim 1, wherein said second signal compensator is configured to compensate for the alien crosstalk from each of said number of adjacent connectors.

6. (Original) The method of claim 1, wherein said second signal compensator is generated by conductive elements of a circuit board.

7. (Original) The method of claim 1, wherein said second signal compensator is generated by both inductive and capacitive coupling.

8. (Cancelled)

9. (Currently Amended) A method of determining a signal compensator for compensating alien crosstalk, comprising:

transmitting a test signal along a disturber pair of a disturber connector, wherein said disturber connector is positioned adjacent to a victim connector;

obtaining at least one measurement of alien crosstalk induced by said test signal on a victim pair associated with said victim connector; and

determining said signal compensator based on said at least one measurement; and
repeating said transmitting and said obtaining for each said disturber connector
positioned adjacent to said victim connector to determine a total signal compensator, wherein
said adjacent disturber connectors comprise any connector within approximately two inches of
said victim connector.

10. (Original) The method of claim 9, further comprising repeating said transmitting and said obtaining for each said disturber pair of said disturber connector, wherein said determining comprises aggregating said at least one measurement to determine said signal compensator.

11. (Original) The method of claim 10, wherein said signal compensator represents a compensation for the aggregate alien crosstalk induced by said disturber connector.

12. (Cancelled)

13. (Currently Amended) The method of claim 9 +2, wherein said total signal compensator represents a compensation for the aggregate alien crosstalk induced by each said disturber connector positioned adjacent to said victim connector.

14. (Cancelled)

15. (Original) The method of claim 9, further comprising repeating said transmitting and said obtaining for each said disturber pair of each said disturber connector positioned adjacent to said victim jack to determine a total signal compensator.

16. (Original) The method of claim 15, wherein said total signal compensator represents a compensation for the aggregate alien crosstalk induced by each said disturber pair of each said disturber connector positioned adjacent to said victim connector.

17. (Original) The method of claim 9, further comprising simulating at least a part of a data network.

18. (Currently Amended) A system for compensating for crosstalk of a connector, comprising:

 a first signal compensator configured to compensate for intra-connector crosstalk; and
 a second signal compensator configured to compensate for alien crosstalk from a number of adjacent connectors, wherein said number of adjacent connectors includes any connector within approximately two inches of said connector.

19. (Original) The system of claim 18, wherein said number of adjacent connectors includes a number of disturber pairs, said second signal compensator being configured to compensate for at least one of said number of disturber pairs.

20. (Original) The system of claim 18, wherein said second signal compensator is configured to compensate for alien crosstalk generated by each of said number of adjacent connectors.

21. (Original) The system of claim 18, wherein said second signal compensator comprises conductive elements of a circuit board, said conductive elements being configured to provide a signal configured to compensate for said alien crosstalk.

22. (Original) The system of claim 18, wherein said second signal compensator is configured to produce both inductive and capacitive coupling signals to compensate for said alien crosstalk.

23. (Cancelled)

24. (Original) The system of claim 18, further comprising a test assembly configured to measure said alien crosstalk induced by said number of adjacent connectors.

25. (Original) The system of claim 18, further comprising a number of shield structures separating each of said number of adjacent connectors from said connector.

26. (Cancelled)

27. (Original) The system of claim 18, wherein said connector is oriented at a different angle than each of said number of adjacent connectors.

28. (Original) The system of claim 18, wherein said connector is staggered at a different depth in relation to each of said number of adjacent connectors.

29. (Original) The system of claim 18, wherein said connector is inverted in relation to each of said number of adjacent connectors.

30. (Original) The system of claim 18, wherein said connector is offset in relation to each of said number of adjacent connectors.

31. (Original) The system of claim 18, wherein said connector shares a common orthogonal plane with no more than one of said number of adjacent connectors.

32. (New) A method of determining the amount of alien crosstalk on a jack, the method comprising the steps of:

providing a victim jack including a first victim conductive pair;

providing a disturber jack adjacent to the victim jack, the disturber jack including a first disturber conductive pair and a second disturber conductive pair;

providing a network analyzer including a transmitter coupled to the first and second disturber conductive pairs and a receiver coupled to the first victim conductive pair;

transmitting a test signal to the first disturber conductive pair through the network analyzer and measuring the alien crosstalk induced on the first victim conductive pair by the first disturber conductive pair;

transmitting a test signal to the second disturber conductive pair through the network analyzer and measuring the alien crosstalk induced on the first victim conductive pair by the second disturber conductive pair; and

aggregating the measurements to determine a sum alien crosstalk on the first victim conductive pair.

33. (New) The method of claim 32, wherein the victim jack and the disturber jack are coupled to terminations including resistors for simulating a network connection.

34. (New) The method of claim 32, further comprising the steps of providing a plurality of disturber jacks adjacent the victim jack and transmitting a test signal to each of the disturber conductive pairs of each of the disturber jacks and measuring the alien crosstalk induced on the first victim conductive pair by all of the disturber conductive pairs.

35. (New) The method of claim 34, wherein each disturber jack includes at least four disturber conductive pairs.

36. (New) The method of claim 32, wherein the victim jack includes a plurality of victim conductive pairs, the method further comprising transmitting a test signal to the first and second disturber conductive pairs through the network analyzer and measuring the alien crosstalk induced on each of the victim conductive pairs by the first and second disturber conductive pairs and aggregating the measurements to determine a sum alien crosstalk on each of the victim conductive pairs.

37. (New) The method of claim 36, wherein the plurality of victim conductive pairs includes at least four victim conductive pairs.

38. (New) The method of claim 32, further comprising the step of providing conductive elements on a circuit board on the victim jack to compensate for the alien crosstalk.

39. (New) The method of claim 38, wherein the conductive elements provide inductive and capacitive coupling.